

## SECTION VI.—BIBLIOGRAPHY.

## RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

*Annuaire astronomique et météorologique pour 1918*, par Camille Flammarion. 54<sup>e</sup> année. Paris. 1918. 364 p. front. illus. charts. tables. diagrs. 18 cm. [Climatologie de l'année 1916, p. [299]-343.]

**Cooper, Alfred J.**

Solecitics; a theory explaining the causes of tempests, seismic and volcanic disturbances, and other natural phenomena . . . London. 1917. p. l., [4] 213 [1] p. illus. diagrs. 24 cm.

**Eredia, Filippo.**

Contributo alla climatologia del Gebel. Firenze. 1917. 20 p. incl. tables. 24 $\frac{1}{2}$  cm. At head of title: Biblioteca agraria coloniale. (Estratto da "L'agricoltura coloniale," anno 11, 1917.)

Le piene dell'uadi di Derna . . . Roma. 1918. 2 plates. charts. 23 $\frac{1}{2}$  cm. At head of title: Ministero delle colonie. (Estratto dal Bollettino d'informazioni, anno 5, n. 1-12.)

Tavole ad uso degli osservatori meteorologici italiani. Roma. 1917. 137 p. l. incl. tables. 26 cm. At head of title: R. Ufficio centrale di meteorologia e geodinamica in Roma.

L'ufficio centrale italiano di meteorologia e geodinamica. Milano. 1918. cover-title, 16 p. illus. 30 $\frac{1}{2}$  cm. (Estratto da "La scienza per tutti," n. 1, 1<sup>o</sup> gennaio, 1918. I laboratori scientifici nazionali, 4.)

**Helland-Hansen, Bjørn, & Nansen, Fridtjof.**

Temperatur-schwankungen des nordatlantischen Ozeans und in der Atmosphäre: einleitende Studien über die Ursachen der klimatischen Schwankungen. Kristiania. 1917. viii, 341 p. charts. tables. 27 $\frac{1}{2}$  cm. (Videnskapsselskapets skrifter. 1. Mat.-naturv. klasse. 1916. no. 9.) Literaturverzeichnis, p. 262-267.

**Mysore. Meteorological dept.**

Meteorology in Mysore for 1916, being the results of observations at Bangalore, Mysore, Hassan, and Chitaldrug. 24th annual report . . . Bangalore. 1917. 2 p. l., xi, 56 p. fold. chart. tables. 31 $\frac{1}{2}$  cm.

Report on rainfall registration in Mysore for 1916 . . . Bangalore. 1917. xvii, 53 p. fold. charts. tables. 31 $\frac{1}{2}$  cm.

**Nevada. Agricultural experiment station.**

Annual report of the board of control for the fiscal year ending June 30, 1917. Carson City, Nev. 1918. 79 p. illus. tables. 23 cm. (Published by the University of Nevada, Reno, Nev.) [Meteorology, p. 62-66.]

**Parma. Ufficio idrografico del Po.**

Sulla ricerca della precipitazioni nell'alta montagna e sul funzionamento dei pluvionivometri totalizzatori nell'alto bacino del Po. Parma. 1918. 27p. plates. 27 $\frac{1}{2}$  cm. At head of title: Ministero dei lavori pubblici. Reale commissione per gli studi sul regime idraulico del Po. 6.Compartimento del genio civile.

**Seeley, Dewey Alsdorf.**

The climate of Michigan and its relation to agriculture . . . charts. tables. 23 cm. (Excerpted from Fifty-sixth annual report of the secretary of the state board of agriculture of . . . Michigan and thirtieth annual report of the experiment station from July 1, 1916, to June 30, 1917. Lansing. 1917. p.[679]-715.)

## RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of

all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

*American museum journal*. New York. v. 18. March, 1918.

The Guatemala earthquake. p. 201-210.

*Carnegie institution of Washington*. Yearbook no. 16. 1917.

Swann, W. F. G. On the origin of the earth's electric charge. p. 276-278. [Abstract.]

Swann, W. F. G. Note concerning the measurement of ionic density on the top of a tower. p. 278-279. [Abstract.]

Swann, W. F. G. An apparatus for automatically recording the electrical conductivity of air. p. 179-281. [Abstract.]

*Geographical journal*. London. v. 51. April, 1918.

Lyons, H[enry] G[eorge]. Climate of northwest Africa. p. 258-261.

[Abstract of work by H. Hubert.]

*Journal of Geography*. Madison. v. 16. April, 1918.

Ward, Robert De Courcey. The weather factor in the great war: VIII. Autumn, 1917, and Winter, 1917-18. p. 291-300.

*London, Edinburgh and Dublin philosophical magazine*. London. ser. 6. v. 35. March, 1918.

Deeley, R. M. Rain, wind, and cyclones. p. 221-245.

Jeffreys, Harold. Some problems of evaporation. p. 270-280.

*Nature*. London. v. 101. 1918.

Douglas, C. K. M. Cloud formations as observed from aeroplanes. p. 85-88. (Apr. 4.)

Chree, C[harles]. Auroral observations in the Antarctic. p. 114-115. (Apr. 11.) [Abstract of memoir by Mawson.]

*Royal astronomical society of Canada. Journal*. Toronto. v. 12. April, 1918.

Henderson, J. P. The solar halo of February 4th, 1918. p. 153-156.

*Science*. New York. v. 46. November 23, 1917.

Campbell, Douglas H. An extraordinary rainfall record. p. 511-512. [Mean annual rainfall at a station in Hawaii, 1912-16, was 518 inches!]

*Science*. New York. v. 47. 1918.

Tomlinson, C. W., & Smith, C. M. The aurora borealis. p. 291-292. (Mar. 22.)

Stebbins, Joel, & others. The aurora of March 7, 1918. p. 314-315. (Mar. 29.)

*Scientific American supplement*. New York. v. 85. March 30, 1918.

Mercanton, P[aul] L[ouis]. The variations of the present day glaciers. A discussion of theories relating to their mechanism and movement. p. 194-195.

*Scientific monthly*. New York. v. 6. April, 1918.

Ward, Robert De Courcey. Weather controls over the fighting in Mesopotamia, in Palestine, and near the Suez canal. p. 289-304.

*Tycos-Rochester. Rochester*. v. 8. January, 1918.

Wilson, Latimer. Meteorology on the farm. p. 11-12.

*Académie des sciences. Comptes rendus*. Paris. Tome 166. 11 mars 1918.

Reboul, G. Méthode de prévision des variations barométriques. p. 423-425.

*Annales de géographie*. Paris. 27 année. 15 mars 1918.

Joubin, L. Le comité thalassographique italien et la station de Messine. p. 81-91. [This committee carries on extensive work in meteorology, including aerology.]

*Annales de physique*. Paris. Tome 8. Novembre-Décembre 1917.

Esclangon, Ernest. Sur les coups de canon et les zones de silence. p. 204-207.

*Archives des sciences physiques et naturelles*. Genève. Tome 44. 15 décembre 1917.

Pictet, Arnold. Influence de la pression atmosphérique sur le développement des lépidoptères. p. 413-454.

Huber, P. B. Influence de la conductibilité atmosphérique sur la conductibilité du corps humain. p. 462-463.

*Astronomie*. Paris. 32 année. Janvier 1918.

Fabry, Ch[arles]. Le bleu du ciel. p. 15-25.

*Revue du ciel*. Bourges. 3 année. 1918.

Debrun, Émile. Baromètre à air et à glycérine. (Système Debrun.) p. 346-349. (Mars.)

Rozet, Cl. D'où provient la scintillation des astres? p. 340-345. (Mars.)

Fabry Ch[arles]. Pourquoi le ciel est-il bleu. p. 359-360. (Avril.)

Perrin, P. Les millibars. p. 364-366. (Avril.)

*Hemel en dampkring*. Den Haag. 15 jaargang. December 1917.

Everdingen, E. van. Dagelijksche en jaarlijksche gang in het voorkomen van bijzommen. p. 113-119. [Bijzonnen=parhelias.]

C[annegietur], H. G. Bijzondere waarneming van geschutvuur. p. 120.

C[annegietur], H. G. Hollandischeloodsballons. p. 121-122.

C[annegietur], H. G. Papieren registrer ballons. p. 122-124.